Amendments

In the Claims:

1. (Currently amended) A wavelength division multiplex transmission system which distributes transmission signals to be transmitted among a plurality of wavelength components, converts said signals into WDM signals, and transmits said WDM signals to a WDM transmission network, and which restores WDM signals from said WDM transmission network into said transmission signals;

comprising an optical transmission device and optical receiving device, in which said optical transmission device comprises an operating-system optical transmission unit and a standby-system optical transmission unit, and said optical receiving device comprises an operating-system optical receiving unit and a standby-system optical receiving unit; wherein

either said operating-system optical transmission unit, or said standby-system optical transmission unit, or both, have optical transmission unit internal defect avoidance means which, upon the occurrence of a prescribed number or fewer of wavelength component transmission defects, executes avoidance of defects within said optical transmission unit; ~~and~~

wherein said operating-system optical transmission unit and said standby-system optical transmission unit <u>are configured to</u> transfer said transmission signals at fixed respective wavelengths, <u>such that said standby-system optical transmission unit is configured to transmit transmission signals using a transmission wavelength component different from that of the operating-system transmission</u>

unit associated with a wavelength component transmission defect; and

wherein said standby-system optical receiving unit is configured to receive a receive wavelength component different from that of the operating-system receive unit associated with a wavelength component receive defect.

2. (Previously presented) A wavelength division multiplex transmission system according to claim 1, in which said optical transmission unit internal defect avoidance means distributes the transmission signals which had been distributed to the wavelength component related to a defect to another, normal wavelength component, and causes said signals to be transmitted, and in which said optical receiving device comprises defect detection means.

3. (Currently amended) A communication device having defect detection means for detecting defects in internal constituent members, having

defect occurrence member transmission means which, when said defect detection means detects a defect, sends defect occurrence member information to an external maintenance member management terminal which performs management of maintenance members, supply processing, or similar; and

an optical transmission device and optical receiving device, in which said optical transmission device comprises an operating-system optical transmission unit and a standby-system optical transmission unit, and said optical receiving device comprises an operating-system optical

receiving unit and a standby-system optical receiving unit;

wherein said operating-system optical transmission unit and said standby-system optical transmission unit are configured to transfer transmission signals at fixed respective wavelengths, such that said standby-system optical transmission unit is configured to transmit transmission signals using a transmission wavelength component different from that of the operating-system transmission unit associated with a wavelength component transmission defect; and

wherein said standby-system optical receiving unit is configured to receive a receive wavelength component different from that of the operating-system receive unit associated with a wavelength component receive defect.

4. (Original) A communication device according to claim 3, in which said defect occurrence member transmission means sends said defect occurrence member information to the transmission network used by the communication device for normal communication.